```
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TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  JAN 02  STN pricing information for 2008 now available
 NEWS  3  JAN 16  CAS patent coverage enhanced to include exemplified
                  prophetic substances
 NEWS  4  JAN 28  USPATFULL, USPAT2, and USPATOLD enhanced with new
                  custom IPC display formats
 NEWS  5  JAN 28  MARPAT searching enhanced
 NEWS  6  JAN 28  USGENE now provides USPTO sequence data within 3 days
                  of publication
 NEWS  7  JAN 28  TOXCENTER enhanced with reloaded MEDLINE segment
 NEWS  8  JAN 28  MEDLINE and LMEDLINE reloaded with enhancements
 NEWS  9  FEB 08  STN Express, Version 8.3, now available
 NEWS 10  FEB 20  PCI now available as a replacement to DPCI
 NEWS 11  FEB 25  IFIREF reloaded with enhancements
 NEWS 12  FEB 25  IMSPRODUCT reloaded with enhancements
 NEWS 13  FEB 29  WPINDEX/WPIDS/WPIX enhanced with ECLA and current
                  U.S. National Patent Classification
 NEWS 14  MAR 31  IFICDB, IFIPAT, and IFIUDB enhanced with new custom
                  IPC display formats
 NEWS 15  MAR 31  CAS REGISTRY enhanced with additional experimental
                  spectra
 NEWS 16  MAR 31  CA/CAplus and CASREACT patent number format for U.S.
                  applications updated
 NEWS 17  MAR 31  LPCI now available as a replacement to LDPCI
 NEWS 18  MAR 31  EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 19  APR 04  STN AnaVist, Version 1, to be discontinued
 NEWS 20  APR 15  WPIDS, WPINDEX, and WPIX enhanced with new
                  predefined hit display formats
 NEWS 21  APR 28  EMBASE Controlled Term thesaurus enhanced
 NEWS 22  APR 28  IMSRESEARCH reloaded with enhancements

 NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items
 NEWS IPC8      For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:46:43 ON 21 MAY 2008

=> file registry
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 18:47:00 ON 21 MAY 2008
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STRUCTURE FILE UPDATES:   20 MAY 2008  HIGHEST RN 1021642-73-8
DICTIONARY FILE UPDATES:  20 MAY 2008  HIGHEST RN 1021642-73-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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REGISTRY includes numerically searchable data for experimental and
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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\l0-565048genA.str
```

```
chain nodes :
9  10  11  12  13  14  17
ring nodes :
1  2  3  4  5  6  7  8
chain bonds :
7-10  8-9  8-17  10-11  11-12  11-13  11-14
ring bonds :
1-2  1-7  2-3  2-8  3-4  4-5  5-6  5-8  6-7
exact/norm bonds :
1-2  1-7  2-3  2-8  3-4  4-5  5-6  5-8  6-7  11-12  11-13  11-14
exact bonds :
7-10  8-9  8-17  10-11


G1:Cb,Hy,Ak

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:CLASS  10:CLASS
11:CLASS  12:CLASS  13:CLASS  14:CLASS  17:CLASS



L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
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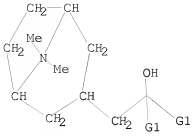
L1 STR



G1 Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full
FULL SEARCH INITIATED 18:48:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 169 TO ITERATE

100.0% PROCESSED 169 ITERATIONS 70 ANSWERS
SEARCH TIME: 00.00.01

L2 70 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 178.82 179.03

FILE 'CAPLUS' ENTERED AT 18:48:28 ON 21 MAY 2008
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FILE COVERS 1907 - 21 May 2008 VOL 148 ISS 21
FILE LAST UPDATED: 20 May 2008 (20080520/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> s l2
L3 7 L2

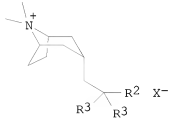
=> sl3 and acetylcholine
SL3 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.

```
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l3 and acetylcholine
         78230 ACETYLCHOLINE
            73 ACETYLCHOLINES
         78251 ACETYLCHOLINE
                 (ACETYLCHOLINE OR ACETYLCHOLINES)
L4            3 L3 AND ACETYLCHOLINE

=> d l4 1-3 abs ibib hitstr

L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
GI
```



I

AB Title compds. [I; R1, R2 = (substituted) Ph, thienyl, pyridyl, PhCH2, pyrimidinyl, thiazolyl, isothiazolyl, cycloalkyl, etc.; R3 = H, OH; X = physiol. acceptable anion], were prepared for treatment of chronic obstructive pulmonary disease, chronic bronchitis, asthma, chronic respiratory obstruction, pulmonary fibrosis, emphysema, and allergic rhinitis (no data). Thus, 2-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-1,1-bis(3-methyl-2-thienyl)ethanol (preparation given) was treated with MeBr in tert-Bu Me ether to give 61% (3-endo)-3-[2-hydroxy-2,2-bis(3-methyl-2-thienyl)ethyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide.

ACCESSION NUMBER: 2007:146107 CAPLUS
DOCUMENT NUMBER: 146:229203
TITLE: Preparation of azoniabicyclooctanes as M3 muscarinic acetylcholine receptor antagonists.
INVENTOR(S): Busch-Petersen, Jakob; Laine, Dramane Ibrahim; Palovich, Michael R.; Davis, Roderick S.; Fu, Wei; Xie, Haibo
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 42pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007016639	A2	20070208	WO 2006-US30153	20060802
WO 2007016639	A3	20070705		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,

US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2005-704579P P 20050802

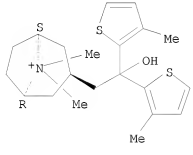
OTHER SOURCE(S): MARPAT 146:229203

IT 924646-68-4P 924646-70-8P 924646-72-0P
924646-74-2P 924646-76-4P 924646-78-6P
924655-67-4P 924655-70-9P 924655-72-1P
924655-73-2P 924655-75-4P 924655-77-6P
924655-78-7P 924655-80-1P 924655-81-2P
924655-82-3P 924655-83-4P 924655-84-5P
924655-85-6P 924655-89-0P 924655-90-3P
924655-91-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of azoniabicyclooctanes as M3 muscarinic acetylcholine receptor antagonists)

RN 924646-68-4 CAPLUS

CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(3-methyl-2-thienyl)ethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

Relative stereochemistry.

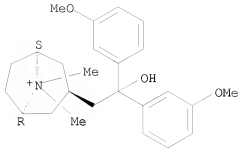


● Br⁻

RN 924646-70-8 CAPLUS

CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(3-methoxyphenyl)ethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

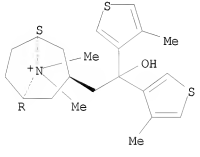
Relative stereochemistry.



● I^-

RN 924646-72-0 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(4-methyl-3-thienyl)ethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

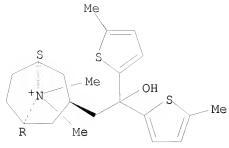
Relative stereochemistry.



● Br^-

RN 924646-74-2 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(5-methyl-2-thienyl)ethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

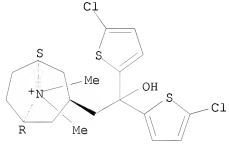
Relative stereochemistry.



● Br⁻

RN 924646-76-4 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(5-chloro-2-thienyl)-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

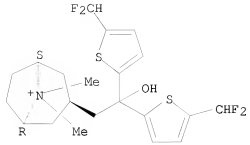
Relative stereochemistry.



● Br⁻

RN 924646-78-6 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis[5-(difluoromethyl)-2-thienyl]-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

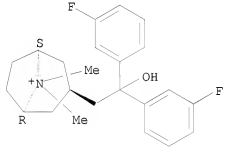
Relative stereochemistry.



● Br^-

RN 924655-67-4 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(3-fluorophenyl)-2-hydroxyethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

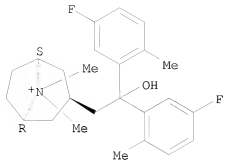
Relative stereochemistry.



● I^-

RN 924655-70-9 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(5-fluoro-2-methylphenyl)-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

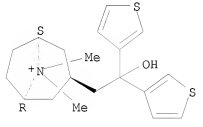
Relative stereochemistry.



● Br⁻

RN 924655-72-1 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-(2-hydroxy-2,2-di-3-thienylethyl)-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

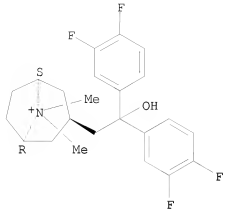
Relative stereochemistry.



● I⁻

RN 924655-73-2 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(3,4-difluorophenyl)-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

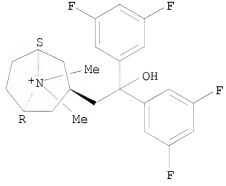
Relative stereochemistry.



● Br⁻

RN 924655-75-4 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(3,5-difluorophenyl)-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

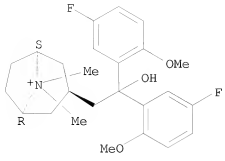
Relative stereochemistry.



● Br⁻

RN 924655-77-6 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(5-fluoro-2-methoxyphenyl)-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

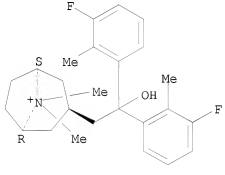
Relative stereochemistry.



● Br⁻

RN 924655-78-7 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(3-fluoro-2-methylphenyl)-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

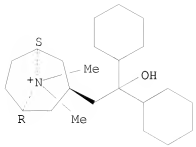
Relative stereochemistry.



● Br⁻

RN 924655-80-1 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-(2,2-dicyclohexyl-2-hydroxyethyl)-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

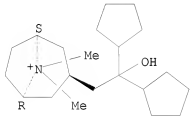
Relative stereochemistry.



● Br^-

RN 924655-81-2 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-(2,2-dicyclopentyl-2-hydroxyethyl)-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

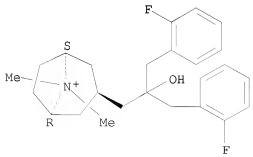
Relative stereochemistry.



● Br^-

RN 924655-82-3 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[3-(2-fluorophenyl)-2-[(2-fluorophenyl)methyl]-2-hydroxypropyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

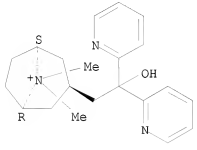
Relative stereochemistry.



● Br^-

RN 924655-83-4 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-(2-hydroxy-2,2-di-2-pyridinylethyl)-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

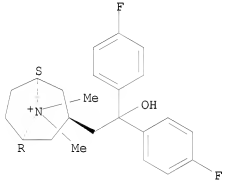
Relative stereochemistry.



● I⁻

RN 924655-84-5 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(4-fluorophenyl)-2-hydroxyethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

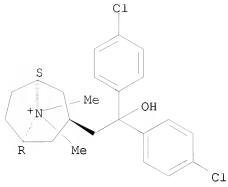
Relative stereochemistry.



● I⁻

RN 924655-85-6 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(4-chlorophenyl)-2-hydroxyethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

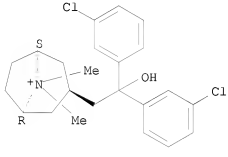
Relative stereochemistry.



● I⁻

RN 924655-89-0 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(3-chlorophenyl)-2-hydroxyethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

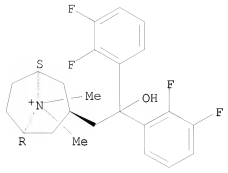
Relative stereochemistry.



● I⁻

RN 924655-90-3 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(2,3-difluorophenyl)-2-hydroxyethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

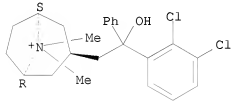
Relative stereochemistry.



● I⁻

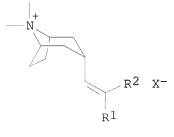
RN 924655-91-4 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-(2,3-dichlorophenyl)-2-hydroxy-2-phenylethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

Relative stereochemistry.



● I⁻

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
GI



I

AB Title compds. [I; R1, R2 = (substituted) Ph, thienyl, pyridyl, PhCH2, pyrimidinyl, thiazolyl, isothiazolyl, cycloalkyl, etc.; X = pharmaceutically acceptable counterion], were prepared for treatment of

COPD, chronic bronchitis, asthma, chronic respiratory obstruction, pulmonary fibrosis, emphysema, and allergic rhinitis (no data). Thus, (endo)-3-[2,2-bis(3-hydroxyphenyl)ethenyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide was prepared from tri-Me phosphonoacetate, tropinone, MeI, and 3-methoxyphenylmagnesium bromide.

ACCESSION NUMBER: 2007:144089 CAPLUS
DOCUMENT NUMBER: 146:229182
TITLE: Preparation of 3-(arylethenyl)-8,8-dimethyl-8-azoniabicyclo[3.3.1]octanes as M3 muscarinic acetylcholine receptor antagonists.
INVENTOR(S): Busch-Petersen, Jakob; Laine, Dramane Ibrahim; Palovich, Michael R.; Davis, Roderick S.; Fu, Wei; Xie, Haibo
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 35pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

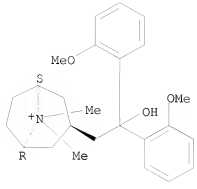
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007016650	A2	20070208	WO 2006-US30218	20060802
WO 2007016650	A3	20070531		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2005-704578P P 20050802
OTHER SOURCE(S): MARPAT 146:229182
IT 924646-91-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of arylethenyldimethylazoniabicyclooctanes as M3 muscarinic acetylcholine receptor antagonists)
RN 924646-91-3 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(2-methoxyphenyl)ethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

Relative stereochemistry.



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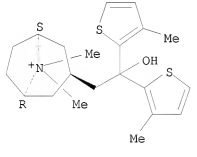
IT 924646-68-4P 924646-70-8P 924646-72-0P
924646-74-2P 924646-76-4P 924646-78-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of arylethenyldimethylazoniabicyclooctanes as M3 muscarinic acetylcholine receptor antagonists)
RN 924646-68-4 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(3-methyl-2-thienyl)ethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

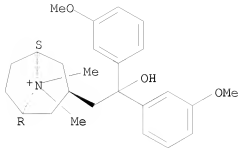
Relative stereochemistry.



● Br^-

RN 924646-70-8 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(3-methoxyphenyl)ethyl]-8,8-dimethyl-, iodide (1:1), (3-endo)- (CA INDEX NAME)

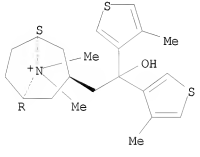
Relative stereochemistry.



● I^-

RN 924646-72-0 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(4-methyl-3-thienyl)ethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

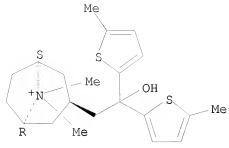
Relative stereochemistry.



● Br^-

RN 924646-74-2 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2,2-bis(5-methyl-2-thienyl)ethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

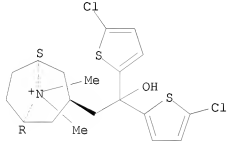
Relative stereochemistry.



● Br⁻

RN 924646-76-4 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis(5-chloro-2-thienyl)-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

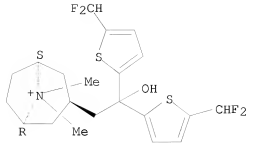
Relative stereochemistry.



● Br⁻

RN 924646-78-6 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2,2-bis[5-(difluoromethyl)-2-thienyl]-2-hydroxyethyl]-8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

AB Muscarinic acetylcholine receptor antagonists, e.g., (3-endo)-3-(2-hydroxy-2,2-diphenylethyl)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide and methods of using them are provided. In addition a pharmaceutical composition for the treatment of muscarinic acetylcholinereceptor-mediated diseases comprising the above compound is disclosed.

ACCESSION NUMBER: 2005:99316 CAPLUS
DOCUMENT NUMBER: 142:183475
TITLE: Muscarinic acetylcholine receptor antagonists
INVENTOR(S): Belmonte, Kristen E.; Busch-Petersen, Jakob; Laine, Dramane; Palovich, Michael R.
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005009362	A2	20050203	WO 2004-US23041	20040716
WO 2005009362	A3	20050407		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004259238	A1	20050203	AU 2004-259238	20040716
CA 2532433	A1	20050203	CA 2004-2532433	20040716
EP 1648461	A2	20060426	EP 2004-778509	20040716
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1822839	A	20060823	CN 2004-80020652	20040716
BR 2004012537	A	20060919	BR 2004-12537	20040716

JP 2007525478	T	20070906	JP 2006-520387		20040716
IN 2006DN00077	A	20070824	IN 2006-DN77		20060104
MX 2006PA00663	A	20060330	MX 2006-PA663		20060117
US 20060178396	A1	20060810	US 2006-565048		20060117
NO 2006000777	A	20060411	NO 2006-777		20060217
PRIORITY APPLN. INFO.:			US 2003-487982P	P	20030717
			WO 2004-US23041	W	20040716

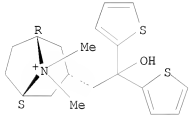
OTHER SOURCE(S): MARPAT 142:183475

IT 90114-71-9 102133-77-7 106655-98-5
106713-93-3 106954-22-7 834882-84-7
834882-85-8
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(muscarinic acetylcholine receptor antagonists)

RN 90114-71-9 CAPLUS

CN 8-Azoniabicyclo[3.2.1]octane, 3-(2-hydroxy-2,2-di-2-thienylethyl)-8,8-dimethyl-, bromide, (3-endo)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

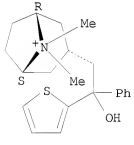


● Br^-

RN 102133-77-7 CAPLUS

CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2-phenyl-2-(2-thienyl)ethyl]-8,8-dimethyl-, bromide, (3-endo)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



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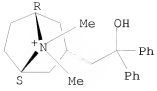
RN 106655-98-5 CAPLUS

CN 8-Azoniabicyclo[3.2.1]octane, 3-(2-hydroxy-2,2-diphenylethyl)-8,8-dimethyl-, bromide, (3-endo)- (9CI) (CA INDEX NAME)

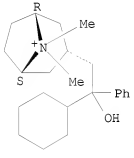
Relative stereochemistry.



● Br^-

RN 106713-93-3 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-(2-cyclohexyl-2-hydroxy-2-phenylethyl)-8,8-dimethyl-, bromide, (3-endo)- (9CI) (CA INDEX NAME)

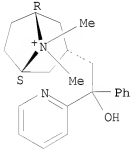
Relative stereochemistry.



● Br^-

RN 106954-22-7 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-[2-hydroxy-2-phenyl-2-(2-pyridinyl)ethyl]-8,8-dimethyl-, bromide, (3-endo)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

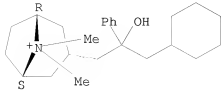


● Br^-

RN 834882-84-7 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-(3-cyclohexyl-2-hydroxy-2-phenylpropyl)-

8,8-dimethyl-, bromide (1:1), (3-endo)- (CA INDEX NAME)

Relative stereochemistry.

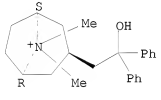


RN 834882-85-8 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 3-(2-hydroxy-2,2-diphenylethyl)-8,8-dimethyl-, (3-endo)-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

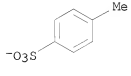
CRN 805224-99-1
CMF C23 H30 N O

Relative stereochemistry.



CM 2

CRN 16722-51-3
CMF C7 H7 O3 S



=> log off
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
STN INTERNATIONAL LOGOFF AT 18:50:45 ON 21 MAY 2008